

**MLL-FN-594/1~100mW**



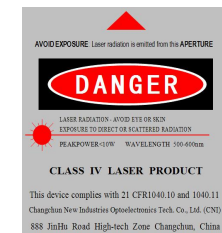
**LD PUMPED ALL-SOLID-STATE  
LOW NOISE YELLOW LASER  
AT 594nm**

Low noise yellow laser at 594nm is made features of ultra compact, long lifetime, low cost and easy operating, which is widely used in collimation, laser medical treatment, scientific experiment, optical instrument, etc.



**SPECIFICATIONS**

Wavelength (nm)	594 ± 1
Operating mode	CW
Output power (mW)	>1, 10, 20, ..., 100
Power stability (rms, over 4 hours)	<2%, <3%, <5%
Transverse mode	TEM <sub>00</sub>
Noise of amplitude (rms, 1Hz~20MHz)	<1%
M <sup>2</sup> factor	<1.5
Beam diameter at the aperture (1/e <sup>2</sup> , mm)	<1.0
Beam divergence, full angle (mrad)	<2.0
Polarization ratio	>100:1, Horizontal±5 degree (Vertical Optional)
Warm-up time (minutes)	<10
Pointing stability after warm-up (mrad)	<0.05
Beam height from base plate (mm)	27.4
Operating temperature (°C)	10~35
Power supply (90-264VAC)	PSU-H-LED/PSU-H-FDA /PSU-SR
Modulation option	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option
Expected lifetime (hours)	10000
Warranty period	1 year



**Note: The laser head needs to be used on a heat sink with good heat dissipation.**

MLL-FN-594	PSU-H-LED	PSU-H-FDA	PSU-SR
<p>197(L)×70(W)×50(H) mm<sup>3</sup>, 1.5 kg</p>	<p>277 (L) ×145(W) ×106 (H) mm<sup>3</sup>, 2.6 kg</p>	<p>275(L) ×145(W) ×104(H) mm<sup>3</sup>, 2.3 kg</p>	<p>188(L) ×145(W) ×83(H) mm<sup>3</sup>, 1.2kg</p>